

**AMENDMENTS TO THE CLAIMS**

**This listing of claims will replace all prior versions and listings of claims in the application:**

**LISTING OF CLAIMS:**

1. (currently amended): An electrode for fuel cell, which comprises:
  - (a) a catalyst layer comprising catalyst particle; and
  - (b) a gas diffusion layer comprising both a porous polymer having pores in its material containing and an electro-conductive filler.
2. (currently amended): The electrode for fuel cell according to Claim 1, wherein said [[a]] gas diffusion layer further comprises an electro-conductive backbone in which said porous polymer is applied.
3. (original): The electrode for fuel cell according to Claim 2, wherein said electro-conductive backbone comprises an aggregate of carbon fibers.
4. (original): The electrode for fuel cell according to Claim 2, wherein said electro-conductive filler comprises a chopped carbon fiber.
5. (original): The electrode for fuel cell according to Claim 2, wherein said electro-conductive filler comprises a carbon particle.
6. (original): The electrode for fuel cell according to Claim 2, wherein said porous polymer comprises a fluoropolymer.
7. (currently amended): The electrode for fuel cell according to Claim [[2]]6, wherein said fluoropolymer comprises a polyvinylidene fluoride (PVdF).

8. (original): The electrode for fuel cell according to any one of Claims 1 to 7, wherein said gas diffusion layer has a porosity of from 45% to 95%.

9. (withdrawn): A process for the preparation of an electrode for fuel cell, which comprises:

(a) a step of dispersing an electro-conductive filler in a solution (1) comprising a polymer and its solvent to obtain a dispersion;

(b) a step of subjecting said dispersion to phase separation of the polymer and the solvent to form a gas diffusion layer comprising porous polymer containing the filler; and

(c) a step of applying a paste comprising a catalyst particle to said gas diffusion layer.

10. (withdrawn): A process for the preparation of an electrode for fuel cell comprising:

(a) a step of forming a catalyst layer containing a catalyst particle;

(b) a step of dispersing an electro-conductive filler in a solution (1) comprising a polymer and its solvent to obtain a dispersion

(c) a step of applying the dispersion on said catalyst layer; and

(d) a step of subjecting said dispersion applied to the catalyst layer to phase separation of the polymer and solvent to form a gas diffusion layer comprising porous polymer containing the filler.

11. (withdrawn): A process for the preparation of an electrode for fuel cell comprising:

(a) a step of forming a catalyst layer containing a catalyst particle;

(b) a step of laminating an electro-conductive backbone on said catalyst layer;

(c) a step of dispersing an electro-conductive filler in a solution (1) comprising a polymer and its solvent to obtain a dispersion;

(d) a step of applying the dispersion in said electro-conductive backbone; and

(e) a step of subjecting said dispersion incorporated in said electro-conductive backbone to phase separation of the polymer and solvent to cause said electro-conductive backbone containing a porous polymer, wherein the porous polymer contains the electro-conductive filler.

12. (withdrawn): A process for the preparation of an electrode for fuel cell comprising:

(a) a step of dispersing an electro-conductive filler in a solution (1) comprising a polymer and its solvent to obtain a dispersion;

(b) a step of applying the dispersion in an electro-conductive backbone;

(c) a step of subjecting the dispersion incorporated in said electro-conductive backbone to phase separation of polymer and solvent to cause the electro-conductive backbone containing a porous polymer, wherein the porous polymer contains said electro-conductive filler; and

(d) a step of laminating said electro-conductive backbone containing the said porous polymer on a catalyst layer containing a catalyst particle.

13. (withdrawn): The process for the preparation of an electrode for fuel cell according to any one of Claims 9 to 12, wherein said phase separation is accomplished by extracting said solvent from said dispersion by a solution (2) which is insoluble for the polymer and is compatible with the solvent.

14. (original): A fuel cell comprising an electrode according to any one of Claims 1 to 7.

15. (currently amended): ~~The~~A fuel cell comprising an electrode according to Claim 8.

AMENDMENT UNDER 37 C.F.R. § 1.111  
U.S. Application No.: 09/822,311

Attorney Docket No.: Q63901

16. (withdrawn): A fuel cell comprising an electrode prepared by the preparation process according to any one of Claims 9 to 12.

17. (withdrawn): A fuel cell comprising an electrode prepared by the preparation process according to Claim 13.